,	4—Helena Independent Record		- Sept.
File	No208		T 141 26
	PLICATE		County Leterles
		TATE OF MONTANA	·
		FOR OF GROUNDWATER CODE	DECEIVE
		E OF STATE ENGINEER	DEC 30 1863
	Declaration of	Vesied Groundwater Right 237, Montana Session Laws, 1961)	S
	(Under Chapter	251, Michiana Gession Laws, 1901)	OTATE ENGINEER
1	Joe C. King & Sons, Inc.	of Box 177	Winnett
	(Name of Appropriator)	(Address)	(Town)
	(Name of Appropriator) County of Petroleum have appropriated groundwater according	state of Montana g to the Montana laws in effect p	rior to January 1, 1962, as fol-
	lows:		
_	N 2.	The beneficial use on which the c	laim is basedlivestock
].		water	***************************************
-	3.	Date or approximate date of earlies	
-		tinuous the use has been .Fall .o.	
W	- 		
- }-		The amount of groundwater claime	
ŀ		per minute) .5 gal per minute	
ľ			* 4
•	8	If used for irrigation, give the aclands to which water has been ap	
		thereofnot applical	ble
	L.4NW Sec.30 TIAN. R.267		•
an		The means of withdrawing such w	rater from the ground and the
	ach small square represents 10 res.	location of each well or other mea	
		windmill pump	······································
	The date of commencement and complet	ion of the construction of the well	wells, or other works for with-
۲.	drawal of groundwaterdrilled.and	completed fall of 1946	
			· ;
8.	The depth of water tableabout	feet	1
9.		ize and depth of each well or the	general specifications of any
	other works for the withdrawal of ground about 15 feet deep	dwaterdrilled well with a	6 inch iron casing,
10.	The estimated amount of groundwater v	vithdrawn each year200,000	
11.	surface soil and 5 feet of gravel	p	
			- -
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, increference to book and page of any county record			
			······································

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Signature of Owner....

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

JOF C. KING & SONS, ING.

President

Date December 23, 1963

Pile No. 208

STATE OF BROWERS, Courty of Petrokam.

Files DEC 2 6 1968 3

Donny of Singer

Tu: 2.00 Deputy

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M	JAN	25	195	9	الا

T 14N R 26 E	′
CountyPetroleum	

STATE ENGINEE MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

, ,			
	Owner		Address <u>Winnott, Wortana</u>
35 -	DrillerELivings	tone	AddressNinneti, Montana
	Date StartedOctober3	3, 1950	Date Completed. November 10, 1956
	Location: Sec. 35	84 R 26 4	sec SE of NE
Type of welldrilled	(Dug, driven, bored, or drilled)	Equipment used	cotary(Churn drill, rotary, other)
Water use: Domestic	Municipal	Stock	v Irrigation
Industrial	Drainage	Other:	
Casing:0	.ft. to1505	Type Ta & Ca	Size420
Casing:	ft. toft.	Type	Size
Casing:	.ft. toft.	Type	Size
Perforated or Screened	: Ft to ft.	Ft	to ft
Type of screen or perfor	ations		
Static Water level, for n	on-flowing well:		feet.
Shut-in pressure, for flo	owing well:	lb./sq. in. on:	
Describe a mater lovel	faci	t at	(date) gal. per mingal.
Length of test			
•	king, cementing, packers, t	• -	•
Casing cemented	d with 15 sacks of cem	ent by B. J. Cement	ing Co.; water would come to
top, but would not	flowbailed to 300 fe	et and Still goined	on the water.
••••••			<u>,,,</u>
0		(over)	

*		
		Fried Con STA
		Tog of Woll
Dent!	n, feet	2 10 c 9
From	To	
		Colerado shale Colerado shale Colerado shale
0	560	
560	690	
690	1165	soft shale and bentonite streaks; some conceptations
1165	1245	dark candy shale and bentonite
1245	1273	hard white to light grev sand with senses of shale
1273	1449	red and groy shale
1449	1466	grey sand, medium coarse
1466	1479	red and grey shale
1479	1489	grey sand, medium coarse
1489	1508	red shale
	[
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	<u>.</u>	
	 	
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DUPLICATE

T. 14 N. 26	Ĕ	e ≱ an 2	1

County Fatroloum

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

DECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

455		, of	Winnett
(Name of Appropriator)		(Address)	(Town)
County of 1002045045		State of State	
have appropriated groundwater aclows:	cordi	ng to the Montana laws in effect pric	or to January 1, 1962, as fo
· N			
	2.	The beneficial use on which the claim Stock water and domestic us	m is based
	3.	Date or approximate date of earliest	beneficial use; and how co
		tinuous the use has been Oct. 15.	1958
		VVII.041100000	
	4.	The amount of groundwater claimed	(in miner's inches or gallo
3		per minute) three gallons per	minute

s	5.	If used for irrigation, give the acre lands to which water has been appl	ied and name of the own
		thereof	
1.44 Sec.35. T14. R.26			
licate point of appropriation displace of use, if possible.	6.	The means of withdrawing such wat	er from the ground and th
ch small square represents 10 res.		location of each well or other means	of withdrawal
TTV - 3			
drawal of groundwaterComple	e ted	tion of the construction of the well, we about Nov.1, 1958	ells, or other works for with
drawal of groundwater	eted	about Nov.1, 1958	ells, or other works for with
The depth of water table	t, pe, s	ize and depth of each well or the go	ells, or other works for with
The depth of water table1575£. So far as it may be available, the tyother works for the withdrawal of10wing,iinch_141b.	t, pe, s groun	ize and depth of each well or the goodwater	ells, or other works for with
The depth of water table1575£ So far as it may be available, the ty other works for the withdrawal of10ving, &inon 141a.	pe, s grour	ize and depth of each well or the godwater	ells, or other works for with
The depth of water table	rpe, s grour	ize and depth of each well or the goodwater	ells, or other works for with
The depth of water table	t, /pe, s groun .cas	about Nov.1, 1958 ize and depth of each well or the good water ing 1700 ft deep	ells, or other works for with
The depth of water table	te ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing 1700 ft deep withdrawn each year 1,576,500	ells, or other works for with
The depth of water table	te ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing 1700 ft deep withdrawn each year 1,576,500	ells, or other works for with
The depth of water table	te ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing 1700 ft deep withdrawn each year 1,576,500	ells, or other works for with
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The depth of water table	re ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing 1700 ft deep withdrawn each year 1,576,500 drilling of each well if available 5 to 1705	eneral specifications of an
The depth of water table	re ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing 1700 ft deep withdrawn each year 1,576,500 drilling of each well if available 5 to 1705	eneral specifications of an
The depth of water table	re ted	about Nov.1, 1958 ize and depth of each well or the gradwater ing. 1700 ft.deep withdrawn each year 1,576,500 drilling of each well if available 5-to-1705 ure as may be useful in carrying out they record	eneral specifications of an energy en

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

8215

File # 189

STATE OF MONTANA, County of Petroleum, Ss. Filed DEC 6 1968

at 1:20 o'clock P. W.

Deputy 2.00

GROUNDWATER INDEX

Page	of
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County Potro loum Twp. 14 N Rge. 27 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Gorstimel, Gary	Com 2	25713	
3/3	Allen, clande I.	CW4	22393	
3	Allen Charles Vi	E. 21.2	24412	
21	Rigg dle	Gim 2	24310	
13	Bratton, wayne	Well) 8 109	1983-1	
6	Monton, Volma R.	11 7,	19867	
6	Longomann tony 61 Em	11 11	19848	
6	Gulliakson, Donald A.	6 W H	224//	
6	6/112, R.G.	11 .11	22351	
21	Gershmol, M.N.	Well 109	16192	
22	Gerstmel Merlin	11718"	44534	
72	Boke, Ray	71 11	16309	
14	(1" 11)	71 11	16766	
15	11 7	112/8 11	19869-	
27	Bratton Wayne		19814	
22	Timm Harry A.	#19"	19565	
23	Potasa Gordon	11 11	16696	
28	Bratten, Wayne	G. W. 2	22392	
29	// ///	Well 109	16116	
6	City of Winnett	6 W 2	27696	
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GW 2		Approved Stock Form-State Publishing Co., Helena, Montana-46805
File No	STATE	T 141 R 27 E
DUPLI	CATE	WATER CONSERVATION BOARD County County
	LOG Bille	GEC 20 1966 STATE OF MONTANA
ميسسين	Top of Ground	ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD
-\	Coyle (Elev. above sea level. Darling	Notice of Completion of Groundwater
2	Sulace Scale Dickers	Appropriation by Means of Well
18	end stiles	DEVELOPED AFTER JANUARY 1, 1962
120	Shale	(Under Chapter 237 Montana Session Laws, 1961, as amended)
22	Sand + 5 hole	Owner-Jany Gershmel Address Winnett mont.
24	Silty Sand	Driller Alenson Dely Co. Address Grass Plange, mont.
86	Silly Shale	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
109	Bentonia 35th	Date of Notice of appropriation of groundwater Wol appropriation
130	Eagle goundin	Date well started Nov. 28-66 Date completed Dec. 7-66
1,000	Dello Stal	Type of well Equipment used (Churn drill, rotary or other)
150	and a autoritie Se	Water use: Domestic Municipal Stock K Irrigation
180	Had brequest So	Industrial Drainage Other D
1.00	Stake and Shell	Indicate on the diagram the character and thickness of the different strata met with in drilling, such ac soil, clay, shale, gravel, rock or sand, etc. Show
198	Sand - Good Ac	depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.
	H10 -T.D.	Size of Size and From To PERFORATIONS Drilled Weight (Feet) (Feet)
		Hole of Casing O 2 Kind From To Size (Feet) (Feet)
-		76.0.20 0 22 + Cemented
<u> </u>		61/4" - aa 198
-		4/2012 0 198- nagular 180 198
<u> </u>	·	4.84
 		
		Static Water Level for non-flowing well
		Shut-in Pressure for Flowing Well
		Pumping Water Level 54 feet
		w at gal. per minute.
-		Discharge in gal. per min. of flowing well
-	·	How Tested Balyng
-		Length of Test 4 Mal. Enterals
		Remarks: (Gravel packing, cementing, pack-
		Indicate location of well and ers, type of shutoff).
	eser e e	place of use, if possible. Each small square represents 40
-		acres.
,		(0
·	-	USE—If used for irrigation, industrial, drainage or other. Explain, state
-		number of acres and location or other data (i.e.: Lot, Block and Addition).
	<u>.</u>	2
	Show avoot don'th of hotton	n
i de la constante de la consta	Show exact depth of botton	<u> </u>
This for	m to be prepared by driller, and th	ree copies to be filed by the owner with the
County (n which the well is located, tissue copy to be Driller's License Number
		cable, so state, otherwise the form will be
re urned		Driller's Signature
		41,459

18 4. File 289

County of Petroleum, Filed DEC 16 1966

Ze: #2.5

	
	Approved Stock Form—State Publishing Co., Helena, Montana—42234
File No. 253	T 14 1/R 27/2
DUPLICATE	County
	STATE OF MONTANA
. 0	OFFICE OF STATE ENGINEER
Declaration (Under C	of Vested Groundwater Rights Chapter 237, Montana Session Laws, 1961) JAN 3 1955 STATE ENGINEER
	Box 195 Winnett of (Address) (Town)
County of Petroleum	State of Montana
have appropriated groundwater accor	ding to the Montana laws in effect prior to January 1, 1962, as follows:
N	2. The beneficial use on which the claim is based
	3. Date or approximate date of earliest beneficial use; and how continu-
	ous the use has been Fi Angust of 58 Continuious
W E	
un una	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 Gallons per. Hin.
N 2 SW4 1 3 2	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not Applicable .
1/4 Sec T R	
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca-
Topionala To determ	tion of each well or other means of withdrawal
•	With a pump. I 14 # \$ 14 # \$ 20 2 Sec 3 Sec 7 Se
drawal of groundwater Angust	mpletion of the construction of the well, wells, or other works for with-
	Pt
9. So far as it may be available, the	type, size and depth of each well or the general specifications of any other;
works for the withdrawal of groundw Type Drilled Size	4 in. Casing Depth 100 Ft.
	er withdrawn each year 500,000 Gallons.
11. The log of formations encountered in	the drilling of each well if available

Signature of Owner Date

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

reference to book and page of any county record.....

Not applicable.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

235

County of Fatourer, Selection DEC 31 1963

2.00 Deputy

1126 281 112

4

Top of Ground ADMINISTRATIO OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Notice of Completion of Groundwater Appropriation by Means of Well (Under Chapter 287, Montana Session Laws, 1961) Jan the Captock Date of Notice of Appropriation of Groundwater Appropriation by Means of Well Owner Appropriation by Means of Well Owner Appropriation by Means of Well (Under Chapter 287, Montana Session Laws, 1961) Date of Notice of Appropriation of Groundwater Not. Address Chapter (Address Chapter 1965) Date of Notice of Appropriation of Groundwater Not. Address Chapter (Address Chapter 1965) Date of Notice of Appropriation of Groundwater Not. Address Chapter (Address Chapter 1965) Date well started Chapter 1965 Date Completed Chapter (Churn, drill, rotary or other) Water Use: Domestic Chapter Chiefwell Chapter Chiefwell Stock Chapter (Churn, drill, rotary or other) Water Use: Domestic Chapter Chiefwell Chiefwell Chiefwell Chiefwell Chiefwell Chapter (Green) Silve of Creen Chapter (Green) From Creen Creen Creen Chapter (Green) Silve of Creen Chapter (Green Chapter (Green) Silve of Chapter (Green Chapter (Green) Silve of Chapter	GW 2	UU SEP 2 1 1965. Ly " conseq	Approved Stock Form—State Publishing Co., Helena, Montana—38496. T
Notice of Completion of Groundwater Appropriation by Means of Well (Under Chapter 237, Montana Session Laws, 1961) (Owner Chapter 237		REFERRED TO.	ADMINISTRATOR OF GROUNDWATER CODE
Appropriation by Means of Well (Under Chapter 237, Montana Session Laws, 1961) (Under Chapter 237, Montana Session Laws, 1961) (Under Chapter 237, Montana Session Laws, 1961) (Owner Charles V. Allen Address Wirmst H. Moul. Date of Notice of Appropriation of Groundwater Not applicable Date of Notice of Appropriation of Groundwater Not applicable Type of well started 1965 Date Completed Geller Other Type of well. (day, driven, borred or (Churn, drill, rotary or drilled) Water Use: Domestic Municipe: Other Directory Industrial Drainage Stock Show depth at which water is encountered, thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well. Site of Wester of	0	· · · · ·	diquant or a second or a secon
(Under Chapter 237, Montana Session Laws, 1961) 20 Hard Sould Sould Porsity 100 Scility Good Porsity 112 Zility Sanly Skele T. D Date well started Lang 1-1965 Date well started Lang 1-1965 Date well started Lang 1-1965 Type of well. Type of well. Water Use: Domestic Municipe: Other Irrigation Industrial Drainage Stock Stock Stock Sall Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well. Static Water Level for non-flowing Well. Pumping Water Level for Flowing Well. Pumping Water Level. feet atgal. per minute.	9	Serfore Soul	
Driller Humson Dalg. 6. Address Grand Pange, Make Started Jerol Porate Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Notice of Appropriation of Groundwater. National Selection Date of Selection Date of Selection Date of Character and Selection of Character of Character of Character of Character of Stock Date of Character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well. Size of She und From From From From From From To Greet) Center of West of Greet) Center of Greet of Greet) Center of Greet) Center of Greet of Greet) Center of Greet of Greet) Center of Greet of Greet of Greet of Greet of Greet of Greet) Center of Greet of Greet of Greet of Gr	17	Silty Son	* *
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Date of Notice of Appropriation of Groundwater. Not applicable Date well started by 4-1965 Date Completed Colling Type of well. Type of well. (dug, driven, bored or (Churn, drill, rotary or other) Water Use: Domestic Municips: Other Irrigation Industrial Drainage Stock Irrigation Industrial or the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well. Size of Size and From To From Greet) FERFORATIONS	13/	Caprock	Driller Hunson Dulg. Co. Address Chass Range, Mrs.
Date well started Date Completed Churn, drill, rotary or drilled	100	Salif Good possity	Date of Notice of Appropriation of Groundwater not applicable
Type of well. (dug, driven, bored or drilled) Water Use: Domestic Municipe: Other Irrigation Industrial Drainage Stock Irrigation End Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well. Size of Drilled Weight of Casting From (Freet) To (Freet) Certificate Casting O 2 0 Size Creet		Sill G. (. SUBTO	
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bearing strata and height to which water rises in the well. Size of Drilled Hole Size and Weight of (Feet) To (Feet) FERFORATIONS	 		strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.
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Static Water Level for non-flowing Well			58 45000 0 66
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Pumping Water Levelfeet atgal. per minute.	_	. N	Static Water Level for non-flowing Wellfeet.
	-		Shut-in Pressure for Flowing Well
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Discharge in ED post min. of flowing well.		w	Discharge in of flowing well
How Tested Length of Test.	-		How Tosted Length of Test.
nemarks: (Graver packing, cementing, packers, type or shatorr, rocks			Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any
other similar pertinent information, including number of	_		other similar pertinent information, including number of
Gares itrigated if used for prigation for	-	8	Gacres it igated if used for irrigation for irrigation
Indicate location of well and Cher hole 201	_	Indicate location of well an	K. J.
place of use, if possible. Each Small square represents 10 acres.			ich UD
Show exact depth of bottom.	_	Show exact depth of bottom.	26
Driller's License Number	1		Driller's License Number
Driller's Signature			B.M. Atunson

This form to be prepared by driller, and three copies to be filed by the owner with the County Cierk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

24412 Gounty of Petroleum,
Filed SEP 2 0 1965 19 Doputy

GW 2	•			Approved	Stock Forn		ning Co., Helena		125 3
File No. 27/						Т	14 N R	37	r 4
TRIPLI	CATE						nty	FIRE	MEID
		rog		ADMINIST	RATOR		NDWATER		
Top of Ground							NGINEER		1965
_	(Elev	above sea level		tice of C		_	V 1 /1 1	ndwai	NFFR
-	_		•	Appropri DEVELO			TUARY 1,		
 -80	80 85	Topsoil Yellow Sandstone Hard white silics		(Under Chap	·			•	
_83	115	Light blue eandsto							
-		W	Driller	rze O. S	inglog	Addro	esa Lewl at	Own.	mtana
			Date of Noti	ice of approp	riation of	groundwa	iter Ho	114	
_			Date well sta	rted. June.	21,196	5 Date	completed	me 21.	1965
-	ł		Type of well	n, bored or dri	ed.	Equipm	ent used n drill, rotar	Rotary	**********
- 1			Water use:	Domestic		nicipal 🔲	Stock		gation 🗍
-			Tadicata	Industrial on the diagra	_	ninage 🔲	Other	_	amant etmate
			met with in	drilling, such ch water is er	as soil,	clay, shale,	gravel, roo	k or sand,	etc. Show
_			strata and he	eight to which	the wat	er rises in	the well.		
-			Size of Drilled	Stre and Weight	Frech (Fest)	To (Feet)		ERFORATION	
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			Huy NESec	i/ m 14/			Gravel pack shutoff)	-	
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-			numbe	d for irrigat r of acres an	ion, indi d locatio	istrial, dr n or otber	ninage or d data (i.e.:	other. Exp Lot, Block	nain, state and Addi-
-			tion).		***********	****************			******
-	6 4	aman dandh an hear-							***************************************
	MODE !	exact depth of bottom.	•		· · · · · · · · · · · · · · · · · · ·			**********	
County C	This form to be prepared by driller, and three copies to be filled by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be estained by driller.								
	•	questions. If not applicable,	so state, otherwi	se the form w	rill be		's Signatur		**************************************

STATE OF MONTANA.

Deputy

Form No. 18 8-60		T. 14 R	27
		County potrations	
	MONTANA BUREAU OF MIN Butt⇔, Mont	NES AND GEOLOGY) 原 (ana	EIVED
	Water Well	Log	ENGINEER
	Owner Manneton	Address	met Mantana
	Driller : isquirement		•
	Date Startedge, 18, 1957		
	Location: Sec. 5 T.	/# R. 27 \ 4 sec	M91,4; S.t.
	Equi	ipment used antary (Churn,	drill, rotary, other)
		Stock Irri	
Indus	strial Drainage	Other	
Casing:	ft. to 2112 ft. Typ	se 7 A G Size	like O.D.
Casing:	ft. toft. Typ	oeSize	
Casing:	ft. toft. Typ	oeSize	
Perforated or so	reened: Ft. 2000 to ft. 70. 2052 to ft. or perforations Our perfor	2078 Ft 2063 2077 Pt. 2064 Stions	to ft.2053 to ft.184#
Static water lev	vel, for non-flowing well:		feet,
Shut-in pressure	e, for flowing well:	1b./sq. in. on:	(dute)
Pumping water le	velfeet at_	gal. per	min
How tested:	11 flouing 10 gel, nor min	uto	
Length of test_			
Remarks: (Grave	l packing, cementing, pack t-off)	ers, type of shut-o	ff, depth of
comonted u	ith 50 socks of coment		

(over)

Log of Well

Depth,	feet	
From	To	Description of Material Drilled
0	20	Surface graval
3.0 50	115	ooft blue grey shale
775	396	Ager bettle gandy minde
370	232	fire brittle chele
233	<u>233</u> 355	hard shell
233	661	shelo with some shells
1,62	465	hard shell
<u> </u>	<u> </u>	there mean stale
6/16	690 750	dark grey shale, some eand and sandy shale (Mody) shale, bentonite, hard brown live
740		hard sinds (Novery)
750	790 043	hard shole
053	295	east dest photo and bentonite, shells
305	3013	dark chale with bentonite strooks
1003	3265 3265	dark chelo. Destonito (hard stronits)
1265	1300	dark firm shale and hard lime strocks
3 3/3/3	1360	dark film shole gone lime and proites
1360	2470	dept firm sandy shale
1595	1600 1600	shale with bard lenges
1600	1660	male and hand send
1660	1668	modium bard and and shule atreaks
7668	17/16	hard shake end hard soud
1706 1030	1830 1899	rod and gray clay and come parki ants rod shale and gray shele and sandy shele
1059	1910	Band, boss seet and the state of the seed
2020	1946	etude for your
1966	1965	inere amen and
1965 1975	2901	red chale
2003	50.0	hard sand and 1200
2009	2054	vorings colored chales
20/3/	2109	sand(sees ooft , sees hard)
ST03	2114	diels and olay
		THE OF L
		1 File Comm 198
1.		
		WORT'A Paroleur Co'clock O'clock County County
		OF WORTAN of Parroleum Palma R. Mertan Valma R. Mertan Valma F. Mertan
		# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		orute 19

Log of Well

Depth,		
rom	То	Description of Material Drilled
0	20	Surface gravel
3.0	<u> </u>	men shale, some and benconite
50 125	115	soft blue gray shele dark hrittle gandy shelo
370	233	fire britile abole
232	233	hard shall
233	259	shale
161	1.61 1.65	have obsli
1,65	653.	district consider more than the consideration of
660	690	dark arey shale, eree sand and sendy shale (Mosey)
690	740	abale. Dentemite, hard brown line
7h0 750	750	bard shalo (Mosory)
853	895	soft dark shalo and bentonits. shells
1495	301:3	modium hard shole, bentonite
1003	1200	durk shale with bentonite strongs
1265	1265 1300	dark shelo, bentonite (hard streaks) dark fire chale and herd lime streaks
1205	1360	dark firm shale some lime and profess
1360	1470	dark firm eandy shale
85.9A	1005	dark fire pandy shale with thin lenges of sand
1595	16h0 1660	shalo with hard longes
1660	1668	sodius bord sand and shale stroaks
3668	1756	hard shale and hard send
1766	1830	red and gree alsy and come ason
3850	1859 1910	enft red shale and erroy shale and sandy shale
1859	1916	groy and red shale
1966	1965	hard sheep saed
1965	1076	bend and modium band and mather has bend
2001	2001 2009	
2009	2054	hard eard and lime Various colored shelvs
20%	37.09	sand some enft , some hard)
2109	2114	shelo and clay
		1 2 2 2
	 	2 0 1 5 E
		3.1. 3.1. 88
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		County Och Colors
		MONTANA. Poundeman o'clock Onusty Re
l l		San San Line

	TR
	County Petroleum
MONTANA BUREAU OF MINES ANI Butte, Montana	O GEOLOGY) ECLIVED
WATER WELL LOG	STATE ENGINEER
OwnerMrs. Velma R. Mertan	Address Winnett, Montana
Driller Dale Himes	Address Wolf Point, Montana
Date Started August 15 1955	Date Completed Aug. 15,1955
Lot 9, Block 26 Original Town of Will Location: Sec. 6. T. Li R. 27	nnett . 1/4 sec South west quarter
Type of well Drilled Equipment used	Rotary Seismograph Rig
(Dug, driven, bored, or drilled)	(Churn drill, rotary, other)
Water use: Domestic 😾 Municipal Stor	ck Irrigation
Industrial Drainage Other:	
Casing: 0 ft. to 33 ft Type 9 # Steel	Size 6º O.D.
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Perforated or Screened: Ft. 16 to ft. 30 Ft.	to ft
Type of screen or perforations acetelyne cut perforation about 1	8" long, staggered slots
Static Water level, for non-flowing well: about 18 feet	feet.
Shut-in pressure, for flowing well:lb./sq. in. o	
Pumping water level	(date)
How tested: Timed by flow from 3/4" pump moved by 1 horse	
terre talian de 8273 E mail hisalmà	
Remarks: (Gravel packing, cementing, packers, type of shut-off, dep	th of shut-off)
······································	

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Log of Wel

		Log of Well			
	h, feet	Description of Material Drilled			
From	То	Description of waterial Drined			
0	15	top soil			
15	33	large gravel with streak of fine sand			
33		end of hole			
	1				
	 				
		To be the second of the second			
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	<u> </u>				
		·			
	1 6	9 3 3			
	#	Theoret Height			
	1 N H	4 +33 F			
	N.C	Sock Sock Sock			
	- 1				
	Coling of Petrolen				
	7. F. W.				
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	1 : 3	3 13			
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			CountyPe	troleum, Mo	ntana
	MONTANA BUREA Bu	U OF MINES ANI tte, Montana	O GEOLOGY	D)ECI	EIVE D
	WAT	ER WELL LOG		STATE I	ENGINEER
	Owner Henry G. & Eva	O. Lengemann	Address	Winnett, M	ontana
	Driller Earl Phillips		Address	Winnett, M	iontana .
	Date Started May	1954	Date Com	natan Same	day
	Lot 19 of Block 9 Location: Sec. 6	Original Townsit	e of Winnett		
	Dwilled		D. t.		
ype of well	(Dug, driven, bored, or drilled)	Equipment used	Churn	drill, rotary, oth	er)
Water use: Domestic	Municipal	Sto	ck	Irrigation	X
Industrial	Drainage	Other:		•••••	••••••
asing:	ft. toft.	Type Galvanised	24 ftsize	6 In.	
asing:	_ft. toft.	Туре	Size		
asing:	.ft. toft.	Туре	Size		
erforated or Screened	: Ft to ft	Ft		to ft	••••••
ype of screen or perfor	ations Perforated b	ottom 9 ft.	******************************	-,	***************************************
tatic Water level, for n	on-flowing well: 13 ft.	of water in wel	1		feet.
hut-in pressure, for flo	owing well:	Ib./sq. in. o	n:		
·	1 64 6		t.	(date)	
-	l ft. from surface feet				
low tested: Electr	ic water pump	***************************************	••••••		
ength of test. Thirt	y minutes	•••••••••••••••••••••••••••••••••••••••			
emarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)					
		***************************************			***************************************
		***************************************	***************************************	***************************************	***************************************
***************************************		***************************************	***************************************	•••••	***************************************
*************************************		***************************************	***************************************		***************************************

(over)

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LOURT OF MONTANALLS.

COUNTY OF PANALLS.

Print Dec /2 196/

It /// O O'clock A. M.

Usland R. M. Sten

County Recorder.

Deouty.

c	Approved Stock Form-State Publishing Co., Helena, Montana-42234 (1997)
File No. 249	T. 14 7 R . 37/
DUPLICATE	County It sleum
ADMINISTR	ATOR OF GROUNDWATER CODE DECEMBER JAN 3 1958
Declaration of (Under Chapte	Vested Groundwater Rights er 237, Montana Session Laws, 1961) STATE ENGINEER
1. Donald A Gullach (Name of Appropriator)	(Address) (Town) State of Montana laws in effect prior to January 1, 1962, as follows:
	to the Montana laws in effect prior to January 1, 1962, as follows:
2.	The beneficial use on which the claim is based.
3.	Date or approximate date of earliest beneficial use; and how continuous the use has been
W F	I much good of the great
4.	The amount of groundwater claimed (in miner's inches or gallons per minute)
5. s	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Sec. 6 T. /4 R. 27	Donald Galletten
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.	The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
7. The date of commencement and complete drawal of groundwater	ion of the construction of the well, wells, or other works for with-
•	
9. So far as it may be available, the type, works for the withdrawal of groundwater	size and depth of each well or the general specifications of any other
***************************************	7 -
10. The estimated amount of groundwater with	thdrawn each year 100,000 gul.
	drilling of each well if available un Known
	7
12. Such other information of a similar nature reference to book and page of any county	re as may be useful in carrying out the policy of this act, including record.
	D 00 B & 00 8
	Signature of Owner Dissold B. S. Shew
Three conies to be filed by the armon with the O	county Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable,	

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Burea of Mir s and Geology, and Quadruplicate for the Appropriator.

STATE OF MONTANA. County of Petroleum.

Filed | NFC 31 1963

Deputy

File No. 179

т 14 2 к 27 /

DUPLICATE

County...Petroleum ... STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE OF COMPANY OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights ENGINE

(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriat	or) (Address) (Town)
· ·	State of Nontana
have appropriated groundwater acco	ording to the Montans laws in effect prior to January 1, 1962, as follows:
N	a man ha shara a sa
	2. The beneficial use on which the claim is based for irrigation of Lawns and shrubbery.
	3. Date or approximate date of carliest beneficial use; and how conting out the use has been July 1952, and each growing season since July 1952.
	
	4. The amount of groundwater claimed (in miner's inches or galle per minute) at rate of 5 to 7 gallons per minute while in use.
····	MINUTE AUTO TU ASCT
	If used for irrigation, give the acreage and description of the lan- to which water has been applied and name of the owner there
N1/4 Sec. # T/# R 27	Lots 11, 12, 13, 14 of Block 11, Original Townsite of kinnett.
licate point of appropriation I place of use, if possible. Each	19111111 191111111111111111111111111111
all square represents 10 acres.	6. The means of withdrawing such water from the ground and the loc
drawal of groundwater July,	ompletion of the construction of the well, wells, or other works for wit 1952, July, 1952
drawal of groundwater July,	tion of each well or other means of withdrawal by pumping free well. completion of the construction of the well, wells, or other works for wit 1952, July, 1952
The depth of water table 10 feet So far as it may be available, the works for the withdrawal of ground feet with a matural ground feet with a matural ground feet	ompletion of the construction of the well, wells, or other works for wit 1952, July, 1952 t to 24 feet. type, size and depth of each well or the general specifications of any oth water well has 2-inch casing to a depth of 24 athering basin below pips; water withdrawn by
drawal of groundwater July, The depth of water table 10 fee So far as it may be available, the works for the withdrawal of ground feet, with a natural ground means of suction pipe	ompletion of the construction of the well, wells, or other works for wit 1952, July, 1952
The depth of water table. 10 feet So far as it may be available, the works for the withdrawal of ground. feet, with a natural government of suction pipe. The estimated amount of groundward.	ompletion of the construction of the well, wells, or other works for with 1952, July, 1952 t to 24 feet. type, size and depth of each well or the general specifications of any oth water well has 2-inch casing to a depth of 24 thering basin below pipe; water withdrawn by said electric motor. there withdrawn each year 160,000 gallons annually. in the drilling of each well if available 6-inch bed of
The depth of water table. 10 feets So far as it may be available, the works for the withdrawal of ground feet, with a natural ground feet, with a natural ground. The estimated amount of groundway. The log of formations encountered wet clsy just shove water. Such other information of a similar	ompletion of the construction of the well, wells, or other works for wit 1952, July, 1952 et to 24 feet. type, size and depth of each well or the general specifications of any oth water well has 2-inch casing to a depth of 24 athering basin below pape; water withdrawn by and electric motor. eter withdrawn each year 160,000 gellows ennually. eter withdrawn each well if available 6-inch bed of er table at 10 feet.
The depth of water table. 10 feet So far as it may be available, the works for the withdrawal of ground feet, with a natural ground means of suction pipe. The estimated amount of groundway. The log of formations encountered wet clay just above water. Such other information of a similar	ompletion of the construction of the well, wells, or other works for with 1952, July, 1952 t to 24 feet. type, size and depth of each well or the general specifications of any oth water well has 2-inch casing to a depth of 24 athering basin below pipe; water withdrawn by send electric motor. there withdrawn each year 160,000 gellows snowelly. In the drilling of each well if available 6-inch bed of the table at 10 feet. The nature as may be useful in carrying out the policy of this act, includitionally record.
The depth of water table. 10 feet So far as it may be available, the works for the withdrawal of ground feet, with a natural general of suction pipe. The estimated amount of groundwater clay just showe water such as the s	ompletion of the construction of the well, wells, or other works for with 1952, July, 1952 t to 24 feet. type, size and depth of each well or the general specifications of any oth swater well hes 2-inch casing to a depth of 24 athering basin below pipe; water withdrawn by sand electric motor. there withdrawn each year 160,000 gallons should be table at 10 feet. The results of the construction of the well, wells, or other works for withdrawn of any other water well has 2-inch casing to a depth of 24 athering basin below pipe; water withdrawn by such a should be

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 15487

Tile ho. 199 Bed 22351

County of the conf DEC 26 1968 10_ 21 3:05 f. Dong of Dingel

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T14 R27	
O GEOLOGY	1947
STATE En	AND FER
Address Wirmetty Mo)nt _v
Address Roundup, Mc	nt
Date Completed Lov	3.,19 57
14 sec. Hortheast	••••••
Cable tool (Churn drill, rotary, othe	
ek Irrigation	
edSize6.inch	······································
Size to ft 55	
face	fest.
(date)	····································
gal, ner min.	

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana
WATER WELL LOG STATE ENGINEER
Owner Ma in Gershmel Address Linetty Honts
x Driller ?. L. Ferguson Address Boundup, Mont.
Date Started Nov. 19, 1957 Date Completed Nov. 23, 1957 Location: Sec. 11 T. 14 R. 27 % sec. Northeast
Type of well Drilled Equipment used Cable tool (Chura drill, rotary, other)
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:
Casing: 0 ft. to 61 ft. Type Galvanized Size 6 inch
Casing:ft. toft. Type Size
Casing:ft. toft. TypeSize
Perforated or Screened: Ft. 20 to ft. 30 Ft. 45 to ft. 55
Type of screen or perforations. Sloted
Static Water level, for non-flowing well: 15 feet from surface feet.
Shut-in pressure, for flowing well:lb./sq. in. on:(date)
Pumping water level 50ft.from surface, 10 gal. per min.
How tested: hand pump
Length of test. 10 minutes
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

(over)

	Log of Well				
Depth	. feet				
From	То	Description of Material Drilled			
o	_	Our Occupant 7			
	5	Surface soil			
5	15	Blue shale			
		blue shale			
15	35	Blue sandy shale water 5 gal. per. min.			
		batto dandy bridge water y gaze per suzus			
35	45	Sandstone lenses and shale more water			
	42	Sandscone Tenses and Share more water			
45_	60	Sand porous more water			
47	 	Dana polous mole water			
60	61	Shale			
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		Filled County			
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Form No. 18					
3-60		т	14	_R27	
		County_	Petrole	eum	
	MONTANA BUREAU OF MI Butte, Mont		GEOLOGY		E D
	WATER WELL	LOG	(STATE ENG	INEER
	Owner Marlin Gershmel		Address <u>u</u>	innett. Nont	ana
	Driller George O. Single		,		
	Date Started Sept. 5, 19				
	Location: Sec. 11 T.	-			
Vater use: Dom	Equipolation, bored, or drilled) lestic Municipal trial Drainage	Stock	r Ir	rigation 🔲	
Casing:O	ft. to 12 ft. Ty	pe <u>s</u> &	s Si	ze 64 Tr)	
Casing:	ft. toft. Typ	ре	Si	ze	
	ft. toft. Typ				
Perforated or Sc	reened: Ftto ft	•	Ft	to ft	
Type of screen o	r perforations				
Static Water lev	el, for non-flowing well:	15			feet.
Shut-in pressure	, for flowing well:	1b.	/sq. in.	on:	
Pumping water le	vel 30 feet at	3	gal.	•	'
					
low tested:	DOTINE				
	Baling 1 hr.				
Length of test Remarks: (Grave	<pre>l hr. l packing, cementing, pack t-off)</pre>				
Length of test_ Remarks: (Grave shu	1 hr. 1 packing, cementing, pack				

Log of Well

Depth, 1	feet	
Depth, f	То	Description of Material Drilled
	1	Topsoil
1		Gravel
7	NS 50	Muddy Hard sandrock Water at 25
50	150	Sandy shale
150	305	Shale
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	Venue
		OF MO OF Pen Venna R
		NTANA, Sa. Workers Recorder.
		Orrect.
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		-	
County	Loun		

STATE ENGINEE MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana WATER WELL LOG

	1	*.					
	Owner	Ray Bohn		. 4	Address	Winnett,	Montana
	Driller	P.L. Ferguson	1	••••••	Address	Roundup.	Montana
	Date Sta	rtedOct.	26 th, 19 5	7	Date Comp	leted Nov .	2nd, 1957
	Location	: Sec	2 <u>)</u> t	. R. 27 1/4 s	ec	••••••	••••••
Type of well	(Dug, drive	n, bored, or drilled)	Equi	pment used	(Churn	Cabla drill, rotary, o	ther)
Water use: Domestic		Municipal		Stock		Irrigation	 1
Industrial		Drainage		Other:			••••••
Casing:	ft. to	72ft.	Туре	Golv.	Size.5"		••••••••••
Casing:	ft. to	ft.	Туре		Size		
Casing:	ft. to	ft.	Туре	*******************************	Size		
Perforated or Screene	d: Ft	to ft	72	Ft		to ft	*************************
Type of screen or perfo	rations		Punched		***************************************		
Static Water level, for	non-flowing	g well:		40			feet
Shut-in pressure, for f	lowing well:	***************************************]	lb./sq. in. on:	••••••••••	(date)	·
Pumping water level		<u>20</u> feet	t at . 100		gal,	.	
How tested:		Baled					
Length of test		Helf-hour	·····				
Remarks: (Gravel pa							
		•••••••••••••••••••••••••••••••••••••••				•••••	
***************************************	,						
		······································	•••••••••••••				***************************************
		*******************************					•••••
		****************************					*************************
			(over)				

Log of Well

	n, feet	Description of Material Drilled
From	То	
0	-16	Sight Clay
16	20	Hard Sandstone
#O	20	- Seinesta
20	28	Five Shele
28	115	Sandy Shale
٧. ٢٠	40	Hard Ragle Sandstone Water
145	50	Hart Asgre Samstone Nation
50	69	Pourous Sand Water
		a ciga dam cases sendos
69	72	Elmo Sandy Shalo
	<u> </u>	<u> </u>
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	i	a company
	<u> </u>	**************************************
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	3	M. M. M. South
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	County of Feeton	
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STATE ENGIN MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

14-29		WAT	ER WELL	LOG			
17-21	Owner ANY	Sohn			Address*	innet.	ion have
14	Driller C. &	orga o.	Hingl ay	•••••	Address	owistown.	, Mostena
100	Date Started						
Type of well 2711	Location: Sec.						
Type of Weil	(Dug, driven, bored	d, or drilled)	Equip	nent used	(Churn	drill, rotary, oth	ner)
Water use: Domestic		Municipal		Stock	x .	Irrigation	
Industrial 2' above Casing: Eround 2' above	ft. to 10	Drainage					
Casing: Ground	ft. to237	ft.	Type	lection	Size		
Casing:							
Perforated or Screened							
Type of screen or perfor							
Static Water level, for n	on-flowing well		······			••••••	feet
Shut-in pressure, for flo	wing well:		1b	./sq. in. on:		(date)	
Pumping water level	2 60	fee	t at	3	gal.	per min	••••••
How tested: Saling		***************************************					
Length of test	hours						
Remarks: (Gravel pac	king, cementing	g, packers, t	type of shu	-off, depth	of shut-off)		
			******************	••••••••		***************************************	*************************
•	***************************************			······			•
••••••	***************************************	······································		***************************************		••••••	***************************************
					***************************************		***************************************

(over)

Log of Well

		Log of Well
Dept	h, feet	Description of Material Drilled
From	То	Description of Material Diffied
0	1	Toppoil
1	5	Sandy dlay
5	15	Slue clay and bentionite
15	45	Yellow sandstone Dry
» 45	75	Light Blue clay and shale
7:	100	Sandstone Light Slue Dry
100	105	Blue spele
105	117	Light Slue andstone bry
1.17	130	Light Blue Bhele
180	287	Stratified rock and shale Sater 5 gul. Sin.
		
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	-	of Petroleum. October AN County R
		
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Log of Well

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		Log of Well
Depth	To	Description of Material Drilled
O	1	ng walkang ang tanggan ang akan manang ang tanggan ang tanggan ang tanggan ang tanggan ang tanggan ang tanggan Topasil
1	5	Sandy clay
5	15	Slue clay and bentionite
15	45	Yellow sandatone Dry
45	75	Light Blue clay and stale
75	100	Sandstone Light Blue Dry
100	105	diue shele
105	117	Light Blue Ennistone Dry
117	180	Light Elug Shale
180	257	Stratified rock and esele Weter J gal. 21n.
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	<u> </u>	B O UE C
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		County Recorder
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Form No. 18 8-60

County Petrolum

SS AND GEOLOGY
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R. 27E

R. 27E

MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

<u></u>	Owner Ray Bohn	Address Winnett, Mentana
15	Driller George C. Singley	Address Lewistown, Montana
	Date Started tugust 9, 1961	Date Completed August 10, 1
•	Location: Sec. <u>15</u> T. <u>14</u>	R. 27 1 sec. 5656
Type of well	(Dug, driven, Mored, or drilled)	
	Domestic Municipal St	•
MACCOMO AND	ft. to 50 ft. TypeS	
	ft. toft. Type	·
Casing:	ft. toft. Type	Size
Perforated or S	Screened: Ft. 30 to ft. 50	Ftto ft
Type of screen	or perforations Slots	<u> </u>
Static Water le	evel, for non-flowing well: 8	feet.
Shut-in pressur	e, for flowing well:	1b./sq. in. on:
Pumping water 1	evelfpet_at10	gal. per min.
How tested:	Baling	·
Length of test	2 hps.	
	vel packing, cementing, packers, nut-off)	type of shut-off, depth of
	with rubber cave catchers	

Log of Well

Depth,	feet	
From	То	Description of Material Drilled
0	2	Topsoil
2	12	Sandy loam
15	16	Quicksand
16	25	Clay
25	35	Sandy shale
35	50	Sandstone Water
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<u> </u>	<u> </u>	
	**************************************	epuily.
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	Courty of Percone of Sections	O'C INCK
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	T 14 R 27
	County Petroleum
MONTANA BUREAU OF MINES AND Butte, Montana	GEOLOGY DECEMBED
WATER WELL LOG	STATE ENGINEER
Owner Wayne Bratton	
Driller George C. Singley	Address Lowistown, Montana
Date Started March 17, 1953	Date Completed Serch 19, 1958
Location: Sec. 17 T 14 R 27	4 sec S. E. 4 of the n. N. 4
Type of well $\frac{\Gamma T111ec}{Dug. driven, bored, or drilled)}$ Equipment used	
	k X Irrigation
Industrial Drainage Other:	
Casing: O ft. to 112/22 ft. Type 5 & 3	Size
Casing:ft. toft. Type	Size
-	Size
Perforated or Screened: Ft	
Type of screen or perforations. Slote	
Static Water level, for non-flowing well: 53	feet,
Shut-in pressure, for flowing well:lb./sq. in. on	1:(date)
Pumping water level4	gal. per min
How tested: Saling for 1 hr.	
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, dept	th of shut-off)
5 days outcher type packers set about cusin	6

(over)

	- 111 22 17
	T /4 R 27 County Petroleum
MONTANA BUREAU OF MINES AND Butte, Montana	GEOLOGY DECEIVED
WATER WELL LOG	STATE ENGINEER
Owner Wayne Bretten	Address Winnett, Montana
Driller George O. Singley	Address Lewistown, Montana
Date Started March 17, 1953	Date Completed March 19, 1938
Location: Sec. 17 T. 1.4' R 27	4 sec Site. 4 of the M. M. L
Type of well Drilled Equipment used (Dug. driven, bored, or drilled)	
Water use: Domestic Municipal Stoc	ek 🗵 Irrigation 🗌
	A? cm
	Size 4" CD
	Size
Casing:ft. toft. Type Perforated or Screened: Ftf2to ftFt.	
Type of screen or perforations.	
Type of screen or perforations. Static Water level, for non-flowing well: 68	
Shut-in pressure, for flowing well:lb./sq. in. or	(date)
Pumping water level 4	gal. per min
How tested: Baling for 1 hr.	
Length of test 1 hr.	***************************************
Remarks: (Gravel packing, cementing, packers, type of shut-off, dep	th of shut-off)
6 cave catcher type packers set about casin	ng
	······································
	??date####################################

(over)

The second secon

Deptl	ı, feet	Description of Material Drilled
From	To	Description of Material Drifted
0	5	Dand Oravel
5	36	Yellow sandstone
36	40	White hard silicate
40	60	Yellow sandstone
60	70	Yellow and Blue streaked sandy shale
70	90	Light grey bexite clay, sand stroaks, small aut. water
90	112	Sandy rock light grey Sater
112	113	Bentonite
113	120	Bundstone, Gater
120	122	Blue shale
		1 * A u
		Filed C.
	<u> </u>	0.627
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		Log of Well
Depti	ı, feet	Development of Makes of Makes of Delivery
From	То	Description of Material Drilled
0	5	Sand Gravel
5	36	Yellow sandstone
		and the second s
36	40	White hard silicate
40	60	Valtar andatan
70		Yellow sendstone
60	70	Xellow and Blue streaked sandy shale
	1 10	ZGIISH SHI SIGS SUISKED SHING SHING
70	90	Light grey baxite clay, sand streaks, small amt. water
90	112	Sandy rook light grey water
		Dancy took Right Rich Chock
112	11.3	Bentonite
¥ .		
113	120	Sandstone, Water
120	122	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
120	XEE	Blue shale
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		T. 14	R	27
		-	Petroleum	
	MONTANA BUREAU OF MI Butte, Mon	NES AND G	EOLOGY CEIV	
	WATER WELL	LOG	STATE ENGH	VEER
	Owner Harry A. Timm		Address_Missou	la, Montana
	Driller I. V. Fields		Address_ Lewist	own, Montana
	Date Started 1918		Date Completed	1919
	Location: Sec. 22 T.			
Type of well D	rilled Equ Dug, driven, bored, or drilled)	ipment us	ed Drill (Churn, drill,	rotary, other)
later use: Do	omestic X Municipal	Stock	X Irrigati	on 🔣
	ustrial Drainage	•		
	ftto20ftTy	-		
	ft. toft. Ty			
	_ft. toft. Ty			
	creened: Ftto ft.			
	or perforations			
	vel, for non-flowing well:			
	e, for flowing well:			
Well is approxima			,	(date)
umping water le	evelfeet at		gal. per mi	n,
low, tested:				
ength of test				
	el packing, cementing, pac ut-off)	kers, typ	e of shut-off,	depth of
snu		tank - car	bable of supplying	stock water
	d - continuous flow - to storage			
Windmill operated	d - continuous flow - to storage O nead and necessary domestic		flow sufficient for	

19865 County of Petroleum. 13. 9:00 County Recorder. g.

	23
T 14 R 37	
County Patroleum	
GEOLOGY	
1	
Address Simport, For	st-parms
Address Address	
Date Completed.	1, 1955
1/4 sec. 5 1. N E	••••••
dable tol	
(Churn drill, rotary, other)]
6"54)	••••••
Size	
Size	
to ft	•••••
(date)	***************************************
gal. per min	
th of shut-off)	

	* ····································
DECEIVED	County Patroleum
MONTANA BUREAU OF MINES AND	GEOLOGY
STATE ENGINEER Butte, Montana	
Sec. 3.3 WATER WELL LOG	<i>f</i>
	sammet. Fortern
	Address
Driller Sporgo C. Stogley	Lewis to the contract the contract that the contract the
Date Started June 10, 2000	Date Completed
Location: Sec. 23 T. 14 R. 27	½ sec. SUNE
n filed	Cable Toble
Type of well	(Churn drill, rotary, other)
Water use: Domestic Municipal Stock	k X Irrigation
Control of the contro	
235 2 6 3 Casing:ft. toft. Type	678() size
Casing:ft. toft. Typeft.	Size
Casing:ft. toft. Type	Size
146 275 Perforated or Screened: Ft to ft Ft	to ft.
. Into	
Type of screen or perforations	
itatic Water level, for non-flowing well:	feet.
shut-in pressure, for flowing well:lb./sq. in. on	(date)
210 ő Pumping water levelfeet atfeet at	` ,
No. 1 ing	
Iow tested:	
ength of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, dept 3 cs vo estober packers set	h of shut-off)
(over)	

MONTANA BUREAU OF MINES AND GEOLOGY STATE ENGINEER WATER WELL LOG Owner Gericos Tetaja Address Driller Address Lewistrown, Maddress Date Started June 15, 1950 Date Completed Type of well Cour, driven, bored, or drilled Equipment used County Fatrologies Water use: Domestic Municipal Stock Firrigation Water use: Domestic Municipal Stock Firrigation Casing: ft. to ft. Type Size Casing:	
MONTANA BUREAU OF MINES AND GEOLOGY STATE ENGINEER WATER WELL LOG Owner Gordon Fetaj: Date Started June 16, 1998 Date Completed Location: Sec. 23 T	
WATER WELL LOG Owner Gorge G. Pataja Address Lewistown, & Address Date Started June 23 Date Completed Location: Sec. 23 T 14 R 27 Sec. SW NE Type of well Church, bored, or drilled Stock Trigation Water use: Domestic Municipal Stock Trigation water use: Domestic Trigation Bovs grindustrial Drainage Other: Casing: ft. to. ft. Type Size Casing: ft. to. ft. ft. Type Size Casing: ft. to. ft. ft. ft. ft. ft. ft. ft. ft. ft. ft	
Owner Gordon Fetaja Address Address Lewistown, & Driller Gooden Fetaja Address Lewistown, & Driller Gooden Fetaja Address Lewistown, & Driller Gooden Fetaja Address Lewistown, & Date Started June 13, 1986 Date Completed June 23 Date Started Gooden Fetaja Tool	
Driller Source C. Stagley Address Lewistown, & Address Date Started June 13, 1990 Date Completed June 23 Location: Sec. 23 T 14 R 27 K sec. SWNE Type of well Clug, driven, bored, or drilled) Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Shows grindustrial Drainage Other: Casing: ft. to. ft. Type. Size Casing: ft. to. ft. Type. Size Casing: ft. to. ft. Type. Size Perforated or Screened: Ft. to ft. Type Size Type of screen or perforations. 150 Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 150 Pumping water level. feet at gal. per min. 34110g. How tested:	
Driller. Driller. Date Started Date Completed Date Completed Date Started Date Started Date Started Date Started Date Completed Date Completed Date Started Date Started Date Started Date Completed Date Started Date Started Date Started Date Started Date Started Date Completed Country of the Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Date Completed Country of the Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Date Control of the Churn drill, rotary, other) Shows grindustrial Drainage Other: Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Type of screen or perforations Type of screen or perforations 150 Static Water level, for non-flowing well: Shut-in pressure, for flowing well: Shut-in pressure, grand from the first pressure flowing well: Shut-in pressure, grand from the first pressure flowing well: Shut-in pressure, grand from the first pressure flowing well: Shut-in pressure, grand from the first pressure flowing well for flowing well for flowing well flowing flowing flowing flowing flowing flowing flowing flowing flowing flow	torus.
Location: Sec. 23 T. 14 R. 27 % sec. SWNE Type of well (Dug, driven, bored, or drilled) (Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Shows grindustrial Drainage Other: Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Type Size Type of screen or perforations 150 Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 210 6 (date) Pumpling water level 331106 Feet at gal. per min.	ontan
Location: Sec. 23 T 4 R 27 4 sec. SWNE Type of well	. 195
Type of well (Dug, driven, bored, or drilled) Water use: Domestic Municipal Stock Irrigation Stock Irrigation Drainage Other: Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Type Size Type of screen or perforations Static Water level, for non-flowing well: Shut-in pressure, for flowing well: Shut-in pressure, for flowing well: Shut-static Water level for non-flowing well: Shut-static Water level for flowing well: Shut-in gal per min. Ghat in on: Glate) Function Type of screen or gal per min. Shut-static Water level feet at gal per min.	1
Water use: Domestic Municipal Stock Irrigation Shows Findustrial Drainage Other: Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Type of screen or perforations Type of screen or perforations Static Water level, for non-flowing well: Shut-in pressure, for flowing well: Shut-in pressure, for flowing well: Feet at gal. per min Saling: How tested:	- p
Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Type Size Type of screen or perforations Type of screen or perforations Static Water level, for non-flowing well: lb./sq. in. on: (date) Pumping water level feet at gal per min Saling: feet at gal per min	
Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Ft. to ft. Type of screen or perforations Static Water level, for non-flowing well: lb./sq. in. on: (date) Pumping water level feet at gal. per min. 321103. How tested:	
Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Ft. to ft. Type of screen or perforations 150 Static Water level, for non-flowing well: lb./sq. in. on: 210 Pumping water level feet at gal. per min 331106. How tested:	•••••
Casing:ft. toft. TypeSize	
Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Ft. to ft. Type of screen or perforations. Static Water level, for non-flowing well: Shut-in pressure, for flowing well: lb./sq. in. on: 210 6 (date) Pumping water level feet at gal. per min. 321103. How tested:	e e e e e e
Perforated or Screened: Ft	
Type of screen or perforations. Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 150 Shut-in pressure, for flowing well: 210 6 (date) Pumping water level feet at gal per min 321103. How tested:	
Static Water level, for non-flowing well: Shut-in pressure, for flowing well: 210 6 (date) Pumping water level feet at gal. per min 321107; How tested:	••••••
Shut-in pressure, for flowing well: 210 6 (date) Pumping water level feet at gal. per min. 301100; How tested:	***********
Pumping water level feet at gal. per min. 30110g. How tested:	feet
Pumping water level gal. per min gal. per min How tested:	
How tested:	

	••••••
Length of test	•••••
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	
	••••••
	•••••
	* *

	Log of Well
	Description of Material Drilled
То	
1	Topact.
10	STAVOL
æ	Tollow and thomas
100	1.1.01\$ 2505 and 100
310	landy sc ile concresions Water 170°
215	male Sater 205*
217	49 5%% - 04979 (8 1 /57) 6
22	Speky Chale
Section of the sectio	A CONTRACTOR OF THE PROPERTY O
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rom	h, feet To	Description of Material Drilled
ø	1	Topici, and the second of the
1	10	Stavel
10	25	Tellow dandstone
25	100	Light gray andle
100	510	dendy shale compressions Water 170
310	215	Shale Water 205'
215	217	发表电影 杂色的态度性的图
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wallen zan	A CONTRACTOR OF THE PARTY OF TH	We will be the second of the s
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: , I	OUPLI	CATE					-	troleum	
. !		ve .		ADMINIST		OF MON OF GROU		R CODE	
æ _‡		topTqoid.Grgmdyel % clay		OF	FICE OF	STATE I	NDWATE	CEIV	EM
1	- !	(Elev. above sea level)	Notice	of Comp	letion o	i Growin	lwg terge	
13		grey shale & chert		Appro	priation	by Mea	urs of h	ell CIV	1550
				(Under Cha	pter 237,	Montana	Session La	ws, 1961)	IEER
	-		Owner.	Wayne Bratt	en	Addre	ssWinn	ett. Mo	ntana:
	-		Driller.	C & L Dril	ling	Addre	ssWin	nett,M	ontana
358	=	grey silty shele, chert	& ben Date of	t. Notice of Appr	opriation	of Ground	water		
			Date w	ell started 8/1	.2/63	Date	Completed	10/16,	/63
			Type of	f well Drille	d	. Equipme	nt Used	Rotary	
	_			driven, bored of			n, drill, ro		_
	_	ا المرابع المرابع	Water	Use: Domestic [] Mu	nicipal 🔲	Stock	Iri	rigation 🔲
25	_	shale, sendy lime, chert	& ber	Industrial		ainage 🗌	Other	 .	
73	7	greyshale, clay bent. ch	less Ind	li cate.bl athe dia net with in dril	agram the	character	and thick	ness of the	e different
			etc. Sho	ow depth at whi	ch water i	s encounte	ered, thick	ness and ch	naracter of
			water-b	earing strata an	nd height t	o which t	he water r	ises in the	well.
•	-		Size	Size and Weight of	From (Feet)	To (Feet)	1	ERFORATION	
	-		rilled Hole	Casing	(2000)	(1000)	Kind Size.	From (Feet)	To (Feet)
1	-	6	3/4"	4 1/2" 0.	d. 0	2040	1 ft.	1742	1802
			-, ,	9 1/2"			slot	1942	50/10
				black seamless	' !				1
	>	SHALE, BENT., CHERT & IRON PY. SANDY LIME, PYRITES, + BENT.	RITES	casing				ļ	
12.3	5. J.	SANDY LINE, PYRITES, + BETT					<u> </u>	<u> </u>	<u> </u>
191	_	SILTSTONE, PYPITES, BARLE, BENT. &	c <i>hept</i> St	atic Water Leve	el for non-	flowing V	Vell		feet.
	_		Sh	ut-in Pressure f	or Flowin	g Well		•••••	
	-		Pu	ımping Water L	evel	fe	et at	gal. p	er minute.
146		HARD BLACK BRATIE SHALE, BENT,	Di	scharge in gal, p	per min. o	f flowing	well55.	g.p.m.	
152	_	SHADE, BENT, CHERT, HARD SAVOY COME		ow Tested		Leng	th of Test.	•••••	
Kyd	-	DRSY SMOLE LIME, CHEET LFINE THU SOOD SALOY LINE, CHEET, I TROUPY PITEL SOFT SALUD, STRENIS SHALE & BENT.	Re	emarks: (Gravel	packing,	cementing	, packers,	type of sh	utoff, loca-
1690	-	SAPT SAND , STREAMS SHALE & BENT.	uns.					not at wel	
17=		RED SHALE BEAT , SOFT FINE GREET			_		-	-	
175	مات	SWISE TSECTS I HE RA	z					First L	
		Indicate location of well an	d	F1g. #2	L casir	ng anch	or pack	er set	gt
189	2	place of use if possible. Eac small square represents 10 acre	h f, s//76 7 S.	one 1740 an	d secor	id mack	er set	at 1940	
194	<u>د</u>	PEP, GREEN, & PURPLESHALE, CHER. MED FINE, MED HARD SAND	t, shells	S WIRRAL PRIMITE	£				
203	أحسيب	Show exact depth of bottom.				•	:58		
201		NAPO VARI COLORED SHALL				Drille	r's Licens	Nymber	
			L			-60	Pos	winge	1
20	70	TOTAL DEPTH				Drille	r's Signati	ıre 🖊	

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

Had Jakan de tentralian de

2239**2** STATE OF MONTANE.

County of Petroleum.

Filed DEC 31 1963 19

Deputy

711: 2.9

	T14R27
	Committee Conference and Conference
	MONTANA BUREAU OF MINES AND GEOLOGY DECISION OF MINES AND GEOLOGY
	WATER WELL LOG STATE ENGINEER
	Owner
	Driller W. L. Livingston Address innetty Fiontana
29.7	Date Started
	Location: Sec29T11
e of well	Equipment used (court drill, rotary, other)
ater use: Domestic	
Industria	other:
•	ft. to
sing:	ft. toSizeft. Type
forated or Screens	9/Ft to 1t to 1t to 1t to 1t
	orations
tic Water level, for	non-flowing well:feet.
it-in pressure, for f	lowing well:
nping water level	feet atgal, per min
v tested:	
gth of test	
narks: (Gravel pa	cking, cementing, packers, type of shut-off, depth of shut-off)
	ours 21 Cosing anchor packer set at 149740 1500 feet. Gosing
Larkin fi	
	round the ton for four feet down.

Log of Well

		Log of Well
Depth From	To	Description of Material Drilled
0	320	Shale with fone firm straaks
320 \$	327	Hard lime and calcite
327	480	Grey shale and some lime shells
480	490	Groy sand (modium hard)
490	7 40	Shale with some bentonite beds and lime shells
740	083	Hard Brittle grey shale (Mowery)
880	1200	Dark shale and some bentonite and line streaks
1200	1210	ahale and streaks of sand
1210	1250	Dark brittle shale
1250	1255	Bentonite
1255	1415	Soft to medium hard dark shale and some bentonite
1415	1500	Dark shale with hard fine sand streaks
1500	1510	Hard dark grey sand
1510	1547	Soft salt and pepper sand (medium course grained- First C.C.
1547	1560	Dark shalo
1560	1700	Red and grey shale (Koutonai) T.D. 17001
	i 	CO P. P. MI
		o'clock County Re
		D R A N A N A N A N A N A N A N A N A N A
		Pronte Recorder
		in the second section of the second section se
		No.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under	Chapter	237	Montana	Session	Laws,	1961,	as	amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

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٥v	vner <equation-block></equation-block>	own of	Winnet	t	For Admi	nistrator's U	iso 7
Αc	Idress W	innett,	Mont.	59087	ile 2769		57
	,					15 19	200
••••	***********		n+ 20 ⁻	1072			7
Da	,	started Se		- 1	SW 1/0.	5p.xn	
	com	pleted Oc	t.27,19	972			
Ту	pe of w	ell Dril	led		4-1	- 4.00 0	*******
Eq	vipment	used Ro	tary		g. driven, boted	•	
		: Domestic		۔ ل	hurn drill, rotar		·
***						-	_
	Ind	ustrial []	Drainage	Ot	ner □*	Garden/Lav	vn 🗌
	escribe						
US	E: If use state	ed for irrig number of	gation, ind acres and	dustrial, o location	Irainage or or other dat	other. Ex ta (i.e. Lot,	plain, Block
		Addition)			****************		*******
ES	TIMATED	ANNUAL	WITHDRAV	NAL			
ES:		ANNUAL Size and			р	FREORATION	
==	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	VAL To (Feet)	Kind	ERFORATION From	
.2	Size of Drilled Hole		From (Feet)	To (Feet)	Kind Size	From (Feet)	To (Feet)
.2	Size of Drilled Hole	Size and Weight of Casing 8 5/8 tt 22/f			Kind	From (Feet)	
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8 122//	From (Feet) 0 213	213 2153	Kind Size Cemente	From (Feet) d 213	To (Feet)
.2	Size of Drilled Hole	Size and Weight of Casing 8 5/8 tt 22//	From (Feet)	To (Feet)	Kind Size cemente cement Jecto Gun	From (Feet) d 213 ed 2080 2008 1996	(Feet) 0 2070 1992
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	From (Feet) 0 213	213 2153	Kind Size cemente cement Jecto	From (Feet) d 213 ed 2080 2008 1996 1978	0 0 2070 1992 1974
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8 122//	From (Feet) 0 213	213 2153 2080 2153	Kind Size cemente cement Jecto Gun slots water lev	From (Feet) d 213 ed 2080 2008 1996 1978 11950 el 1882	0 2070 1992 1974 1930
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	From (Feet) 0 213	213 2153 2153 2080 2153 Stati	Kind Size cemente cement Jecto Gun slots water lev ping warr	From (Feet) d 213 ed 2080 2008 1996 1978 11950 el 1892 level 22	0 2070 1992 1974 1930 1870
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	From (Feet) 0 213	213 2153 2153 2080 2153 Stati Pum at mea	cemente cemente cement Jecto Gun slots water lev ping warr 15	From (Feet) d 213 ed 2080 2008 1996 1978 11950 el 1882	0 2070 1992 1974 1930 1870**
.2	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	Prom (Feet) 0 213 * CO 20 SO	213 2153 2153 2080 2153 Stati Pum at mea begi	cementa cementa jecto Gun slots c water lev ping warr 15	From (Feet) d 213 ed 2080 2008 1996 1978 11950 el 1892 level 22	0 2070 1992 1974 1930 1870 1.**
2 7 7	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	Prom (Feet) 0 213 * CO 20 SO	213 2153 2153 2080 2153 Stati Pum at mea bega *Me	cemente cement Jecto Gun slots water lev ping waver 15 sured	From (Feet) d 213 ed 2080 2008 1996 1978 11950 el 1892 level	0 2070 1992 1974 1930 1870 **
2 7 7	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open	Prom (Feet) 0 213 * CO 20 SO	213 2153 2153 2080 2153 Stati Pum at mea begg *Me Well for Pow	cemente cemente cement Jecto Gun slots c water lev ping war 15 sured	From (Feet) d 213 ed 2080 2008 1996 1997 11950 el 1892 level 22 gallons prining after n ground le by tas hours.	2070 1992 1974 1930 1870/* 4
2 7 7	Size of Drilled Hole 3/4" 7/8"	Size and Weight of Casing 8 5/8" 22# 5 5/8 15# open N	Prom (Feet) 0 213 * CO 20 SO	213 2153 2080 2153 Stati Pum at mea begg *Me Well for Pow Rem	cemente cemente Jecto Gun slots c water lev ping warer 15 sured	ed 2080 2008 1996 1997 11950 el 1892 level 22 gallons printes after by the shours. TiRumpel packing,	2070 1992 1974 1930 1870/* 4
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INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

LICENSE NO. 20

Driller's Signature

Driller's Address

DRILLER'S LOG

County....Petroleum

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

	Top of	Ground	d (Elev, above sea level)	
	From (Feet)	To (Feet)		
	0	38	Nichrara shale	
	382	65/	Cardile shale	
	654	<u> 688</u>	Greenhorn limey shale	·
	688	760	Belle Fouch shale	
			streaks sandy	
	760	1070	Mowry shale- thin bedded sandy shale an	
			bedded sandy shale en	d.
			sand	_
	1070	1186	Thermonolis shale gro Grey hentoniteshale	32
	1186	14,90	Grey hentonitechale	
			with sandy streaks	
	1490			ŢΥ.
			Dakota silt	
	1650	1770	Ist Cat Creek sand	
		1770	Top Kootenai	
	322	5 3 32		
	177	180	/ Varigeted shale Top 2nd CatCreek sand	_
	1861 1861	1910		<u>. </u>
			Sand Red shale	
	1910		Sand	
		1063	Red shale	
	1953	2003		
			Varigated shale	
	201.7	2060	Pinkish limestone	
	2060		Green shale	
	2005	2700	Sand	
	2100	2118	Sandy shale	
=	2118		Inter-bedded sand-	
			stone and shale	
_	2145	2153	Yellowgr.shale	
	T.	D.		
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Town of Winnett 27696

STATE OF LONTANA, County of Petroleum, Ser.
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Deputy

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County Potra loum Twp. 24 N

Rge. <u>58E</u>

	Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	3	Solf Joseph	GWH	221100	
-	3		We IT 109	16499	
	3	Solf Lea	6, W. 2	27489	
	7	Gerch mol Bary	6. W. 2	25094	
I	3	Saylon C. R.	Wett 109	18968	
	4	Kindo Raymand He	GW-H	22333	
١	4	u2 /1/ 11	Wells 109	19734	
	5	Sandaxer, T. N.	GW H	22332	
	5	Kindt, Raymond H		19921	
`	سی	7 4	#19/09	19613	
	6	Poulton, Jim, & A.J. Bohn	Well 709	16093	
Ì	B	Paylton, Jim	#18	19886	
	11	Solf Josephy Anna	fr W- 2	24605	
į	21	Salt, Anna	B. W. 2	21490	
	19	Carnue, Harrey	WOTI 10.9	172119	
	19	Gorokmah M. N.		16651	
	24	Welten William Ne	6 WH	22426	
	25	Welter Kenneth We		22427	
	25		G.W.3	22423	
	26	Kiphy Wede & Mirth	Well log	16325	
	27	Walter, william No	6.W.3	221128	
	29	Hassott, Clinton R.	6WH	22367	
	29	11 - 11 - 17	6.263	22366	
	30	PotaJa, Gardan Fraserhande Linestoria	6.11.2	22095	
	35	Fraserhandy lipstert ca	3 G, X1 3	22596	
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DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) 1. Joseph Solf	r to January 1, 1962, as fol- m is based
Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) 1. Joseph Solf (Name of Appropriator) County of Petroleum (Address) have appropriated groundwater according to the Montana laws in effect prior lows: 2. The beneficial use on which the claist tinuous the use has been Approximate date of earliest tinuous the use has been Approximated to which water has been apply thereof The Montana laws in effect prior continuous use since computed for irrigation, give the acrelated to which water has been apply thereof The Montana laws in effect prior continuous use since computed for irrigation, give the acrelated to which water has been apply thereof The Montana laws in cash water lamed per minute) 5. If used for irrigation, give the acrelated for irrigation, give the acrelated to which water has been apply thereof The Montana laws in cash well or other means acres. 6. The means of withdrawing such water location of each well or other means acres. 7. The date of commencement and completion of the construction of the well, we drawal of groundwater The Montana laws in effect prior (Address). 8. The depth of water table The Montana laws in effect prior (Address). 9. So far as it may be available, the type, size and depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother works for the withdrawal of groundwater Artesian depth of each well or the goother w	JAN 3 1864 STATE ENGINEER Winnet (Town) To January 1, 1962, as fol- m is based peneficial use; and how con- car pecember, 1956 leted. (in miner's inches or gallons minute
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County of	r to January 1, 1962, as fol- m is based
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. So far as it may be available, the type, size and depth of each well or the goother works for the withdrawal of groundwater	
. So far as it may be available, the type, size and depth of each well or the goother works for the withdrawal of groundwater	
2-inch-pips	neral specifications of any
c men pipe	
. The estimated amount of groundwater withdrawn each year5000 gallon	•
The estimated amount of groundwater withdrawn each year	
unknown	
Such other information of a similar nature as may be useful in carrying out the reference to book and page of any county record	policy of this act, including
Signature of Owner	800
Date	Diffich Doff -
hree copies to be filed by the owner with the County Clerk and Recorder of the	December 31, 1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk . l Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quacruplicate for the Appropriator.

22400

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STATE OF MONTANA,

County of Petroleum,

Filed DEC 31 1963

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STATE ENGIMONITANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Joe Solf Owner	Winnett, Montana
George O. Singley Driller.	Leviatown, Kontara
January 10, 1955 Date Started	January 19, 19
Lucation: Sec. 3 T 14 R 28 1/4 sec	SESE Cable Tool
Type of well Equipment used (Dug, driven, bored, or drilled)	(Churn drill, rotary, other)
Water use: Domestic X Municipal Stock	
	되는 OD Size
Casing:ft. toft. Type	Size
Casing:ft. toft. Type	Size
Perforated or Screened: Ft to ft Ft	to ft
Type of screen or perforations	
Static Water level, for non-flowing well:	
Shut-in pressure, for flowing well:lb./sq. in. on:	/-//-58 (date)
Pumping water level feet at How tested: How tested: Feet at How te	a, all per min. 1 . Ducket.
Length of test	
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of show or, bottom of casing. Packer set at 120	shut-off) dacks coment
(over)	

		Log of Well		
Depth, feet				
From	To	Description of Material Drilled		
0	3.	Topsoil		
1	10	Yellow Clay		
10	21	silt		
21	88	Mus grey shals		
83	85	Rentoning, Small amount of water		
85	105	Blue grey chale		
105	220	Blue grey shale and concretions		
120	127	Blue sandstone		
127	135	Rock and shale		
135	157	Shalo hard coal section of Eagle		
157	760	Light blue pandstons		
160	1.62	Hard white ellicate		
162	3.81	Sandstone, Water		
181	152	Blue shale		
•		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
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W. W.

GW 2		Approved Slock Form—State Publishing Co., Helena, Montana—4855.			
File No.	323	Approved Slock Form—State Publishing Co., Helena, Montana—4855. T. 14 R. 28			
DUPLIC	AUG	14 197? County Petrole 4 m			
	LOG RESOURCES A	RIMENT OF RATURAL STATE OF MONTANA			
	Top of Ground	County Lette Lyn STATE OF MONTANA NO CONSERVATION STATE WATER CONSERVATION BOARD			
_	(Elev. above sea level	Matica of Completion of Groundwater			
- o	15 Sandy loam, Grave	Appropriation by Maans of Wall			
- 15 85	85 Blue shale	DEVELOPED AFTER JANUARY 1, 1982			
790		low of water Chapter 237 Montana Session Laws, 1961, as amended)			
115 118	140 Sandstone, Water	Owneleo Solf Property Address Winnett, Montana			
L	130-140	Driller George C. Singley Address Lewistown, Montana			
		Date of Notice of appropriation of groundwaterNone			
-	·	Date well startedJune 22,1972 Date completed June 23,1972			
-		Type of well Drilled Equipment used Rotary			
		(Dug, driven, bored or drilled) (Chura drill, rotary or other)			
		Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐			
- 1		Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show			
-	•	depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.			
		Size of Size and From To PERFORATIONS			
		Drilled Weight (Feet) (Feet) Kind From To To Size (Feet) (Feet)			
_		4-5/4 21 85			
-		3-7/8 85 140 6" Flastic above			
-		2" Galv. 2 above			
		. 126			
		N Static Water Level for non-flowing well			
-		None feet.			
-	Doc. No. #323-224				
-	Filed for record this 171 day of August	None gal per minute.			
	A. D. 19 20 at 2003 12	Discharge in gar. per min. or nowing wen			
_	g'cleckM.	How Tested Measured			
-		Length of Test 1 min.			
		M, Fitchiaras. (Graver packing, comming, pack			
	NF	Findicate location of/Well and Comented Packer set at 85.			
	,, _	place of use, if possible. Each small square represents 40			
-		acres.			
-		(Continue on reverse side)			
		UC If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addi-			
		tion).			
-					
	Show exact depth of bottom.				
		19			
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be Driller's License Number					
retained by driller.					
	Please answer all questions. If not applicable, so state, otherwise the form will be returned. Driller's Signature.				
		51,139			
		• •			

27489 489 # 373 Leo Sold Property

STATE OF MONTANA. County of Petroleum.

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